



**BOSCH**  
Invented for life

# 19RTLБ 19-inch Color LCD Display Monitor (VGA)



- ▶ **VGA input for DVR or PC applications**
- ▶ **1280 x 1024 resolution (1.3 Megapixel)**
- ▶ **Horizontal/vertical viewing angle of 160°**
- ▶ **5 ms refresh time reduces smearing and ghosting**
- ▶ **1000:1 contrast ratio provides excellent color accuracy and conformity**
- ▶ **High brightness of 300 cd/m<sup>2</sup>**
- ▶ **Internal speakers**
- ▶ **Optional wall mounts**

The 19RTLБ is a 19-inch, high-resolution VGA color monitor for use with digital video recorders (DVR) and PC applications. The monitor is equipped with a color liquid crystal display (LCD) flat screen display panel with a horizontal and vertical viewing angle of 160°, providing comfortable, clear viewing whether placed on a desktop, wall mounted or rack mounted. In addition, the monitor has two internal speakers for tracking audio with the incoming video signal.

## Functions

The monitor automatically adapts to the input resolution (up to 1280 x 1024 pixels or 1.3 Megapixel) of the incoming video signal. The 19RTLБ monitor features an analog VGA input to accommodate the widespread use of PCs in security surveillance systems. The monitor's 1000:1 high contrast ratio and high brightness rating (300 cd/m<sup>2</sup>) offer excellent color accuracy and imaging for easier viewing and interpretation of the received images. The panel refreshes every five milliseconds, providing crisp clear images with less smearing and image ghosting in fast motion video.

Long-life fluorescent backlights lets the LCD monitor avoid luminance degradation so the monitor easily maintains its brightness level over time as contrasted to the progressive dimness of aging CRT-type monitors. The 19RTLБ monitor's consistent brightness also provides a sharp display image without the constant flickering typical in CRT monitors. This allows longer continued use of the LCD monitor with little eyestrain or excessive fatigue.

The 19RTLБ monitor features low power consumption and automatically adapts to fluctuating electricity loads while protecting circuitry. In addition, the monitor is equipped with VESA®-compliant mounting holes to accommodate a range of wall mounts easily. User-friendly, on-screen menus and front panel controls make it simple to adjust the monitor display parameters to the user's preferences.

## Certifications and Approvals

<b>Electromagnetic Compatibility (EMC)</b>	Complies with FCC Part 15 and CE regulations
<b>Product Safety</b>	Complies with CE regulations, UL, TUV, NRTL, CB Standards

**Technical Specifications****Electrical**

Rated Voltage	120/230 VAC, 50/60 Hz
Voltage Range	90 to 264
Power at Rated Voltage	35 W operation 5 W standby
LCD Panel	TFT LCD
Screen Size (H x V)	376 x 301 mm (14.8 x 11.9 in.)
Viewable Picture Area	19 in. (48 cm) measured diagonally
Pixel Pitch (H x V)	0.294 x 0.294 mm (0.01 x 0.01 in.)
Resolution	1280 x 1024 pixels
Aspect Ratio	5:4
Display Colors	8-bit interface; 16.7 million colors
Response Time	5 ms
Backlight	Two (2) cold cathode fluorescent tubes, rated life 50,000 hours

**Optical Characteristics**

Luminance	300 cd/m <sup>2</sup> , anti-glare, hard-coating treatment
Contrast Ratio (CR)	1000:1
Viewing Angle	160° horizontal, 160° vertical @ CR ≥ 10

**VGA Input**

Analog RGB	0.7 Vp-p (0.5–1 Vrms)
VGA Timing Modes	640 x 480, 60/72/75 Hz 800 x 600, 60/72/75 Hz 1024 x 768, 60/70/75 Hz 1280 x 1024, 60/75 Hz
Audio Input	1.0 V line level
Audio Output	Speaker: two (2), 1 W

**Controls**

Front Panel	Push-buttons
Source	Selects VGA input
Menu	Selects on-screen display (OSD) up cursor, down cursor/auto adjust, left cursor, right cursor
Power	On/Off

**On-Screen Display**

VGA	Picture, color, OSD, misc.
-----	----------------------------

**Indicators**

LED	Power On (green) Standby (red)
On-Screen	"Off Mode"(flashing)

**Connectors**

Audio	PC: one (1) 1/8 in. mini phono plug
VGA	One (1) VGA cable included
Power Input	5.5 mm DC input jack
Power Adapter (Included)	Input: 100–240 VAC, 50/60 Hz, Output: 12 VDC, 4.2 A

**Mechanical**

Cabinet	Material: ABS Finish: black Wall mounting compatible with standard bracket, 100 mm centers, M4 thread
---------	---

**Dimensions**

Monitor with Base (W x H x D)	430 x 428 x 200 mm (16.9 x 16.9 x 7.9 in.)
Monitor Only (W x H x D)	420 x 374 x 60 mm (16.5 x 14.7 x 2.4 in.)
Weight	Monitor with base: 6.61 kg (14.6 lb) Monitor only: 4.1 kg (9.05 lb)

**Environmental**

Operating Temp.	0°C to 50°C (32°F to 122°F)
Storage Temp.	–20°C to 60°C (–4°F to 140°F)
Humidity	Max. 90%, non-condensing

**Ordering Information**

<b>19RTLB 19-inch Color LCD Display Monitor (VGA)</b>	<b>19RTLB</b>
<b>Accessories</b>	
<b>UMM-LW-20B Fixed Wall Mount</b> Fixed wall mount for flat panel LCD monitors, black	<b>UMM-LW-20B</b>
<b>UMM-LW-30B Swivel/Tilt Wall Mount</b> Swivel/Tilt wall mount for flat panel LCD monitors, black	<b>UMM-LW-30B</b>

**Americas:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: +31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**  
Bosch Security Systems Pte Ltd  
38C Jalan Pemimpin  
Singapore 577180  
Phone: +65 6319 3450  
Fax: +65 6319 3499  
apr.securitysystems@bosch.com  
www.boschsecurity.com

**Represented by**